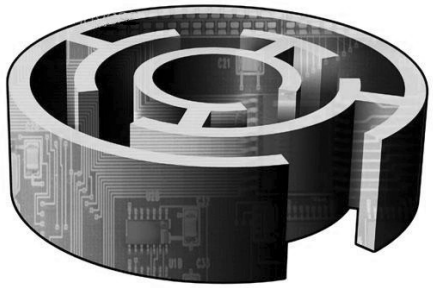
NDIA SECURITY EXPO - 2003

MISSION CRITICAL PROCESSING

Presentation



Daniel Skret

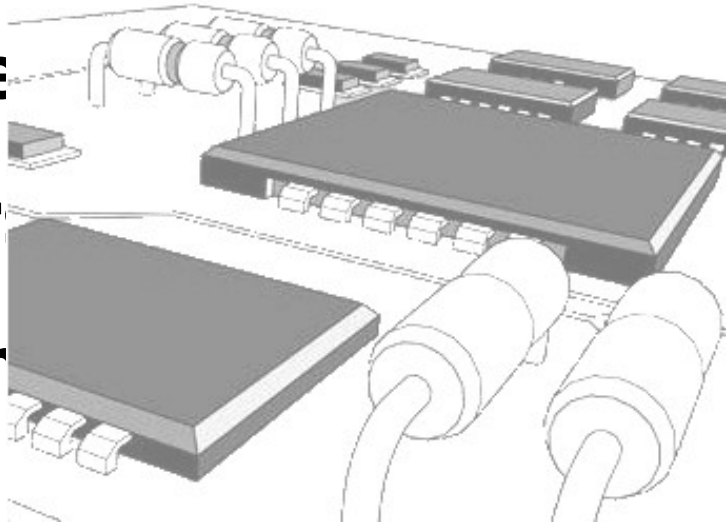
Vindicator Technologies, Inc

SECURITY SOLUTIONS FOR DEMANDING APPLICATIONS

Vindicator TECHNOLOGIES

Mission Critical Processing

- Enforcing Security Policy
- Situational Awarene
- Automatic Behavior
- Systems Integratior



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Mission Execution

- Reduce PC's Role to User Interface
- Perform Mission via Security Appliances

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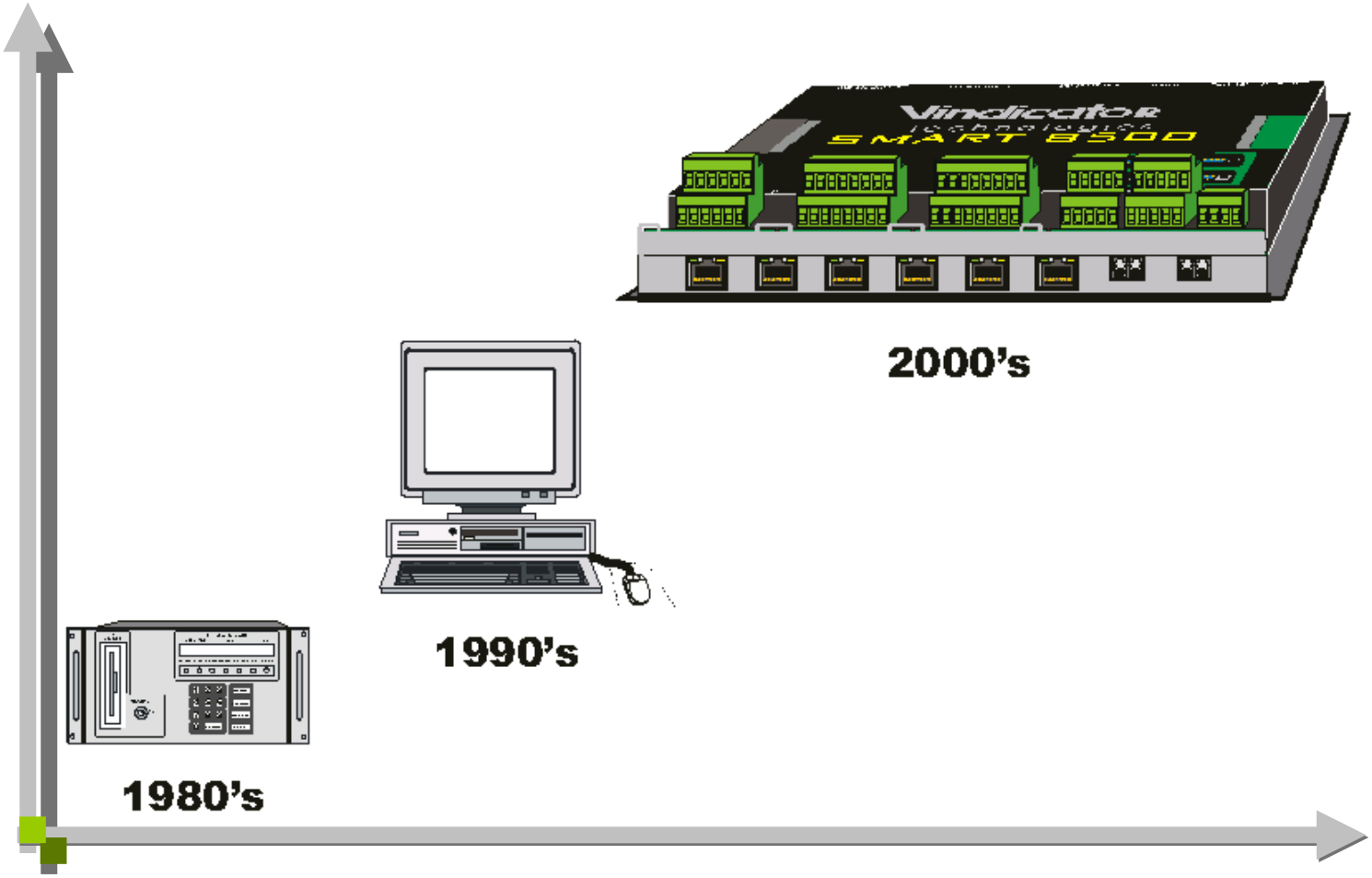
Platform Evolution



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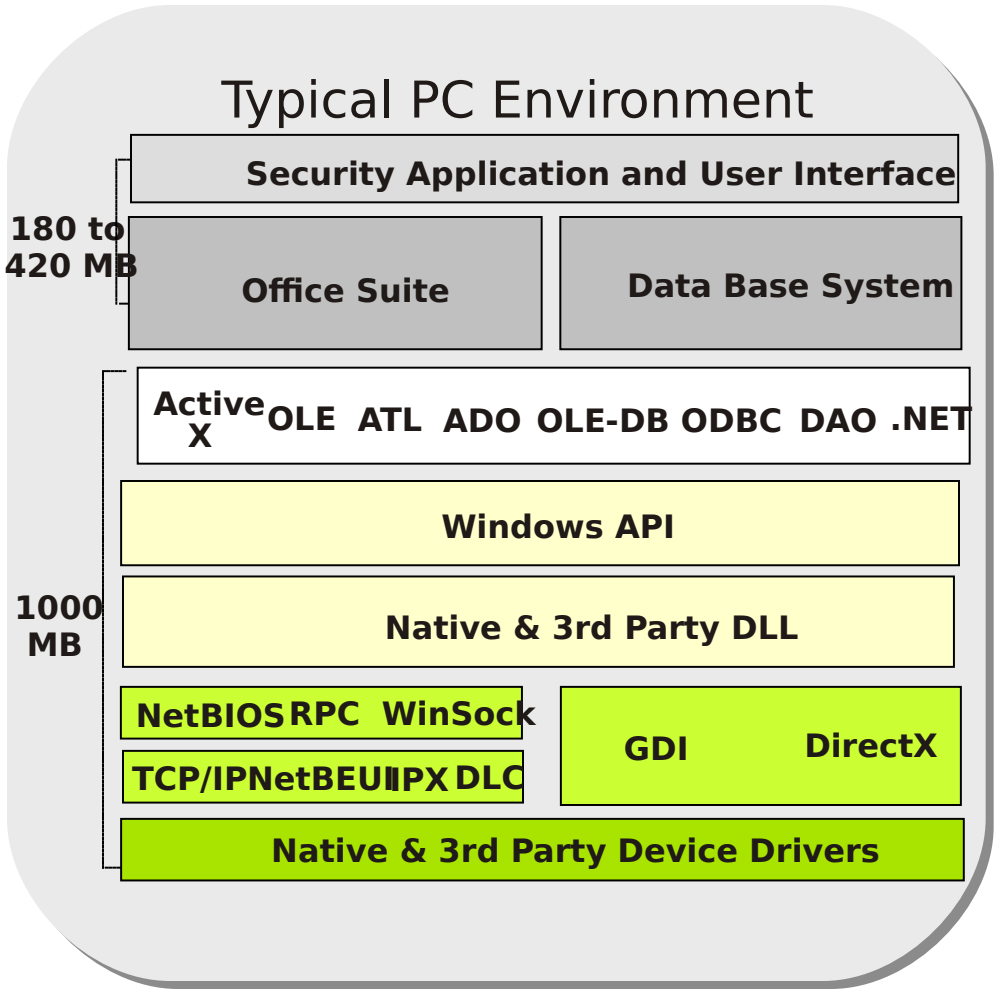
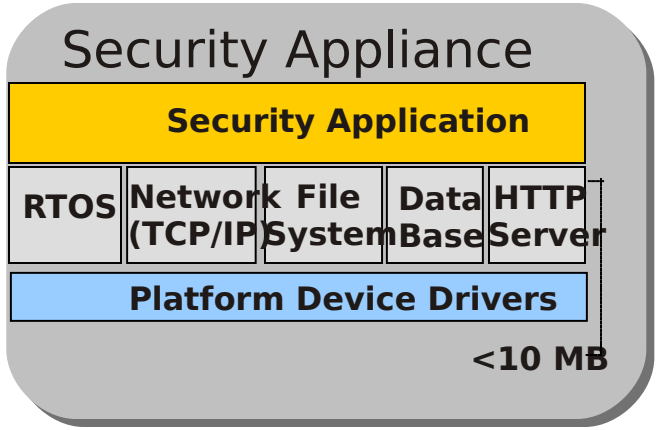
Architectures





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Software Comparison

Security Appliance	Personal Computer
❑ Mission-Specific	❑ General Purpose
❑ RTOS-Based	❑ OS-Based
❑ Low Virus Vulnerability	❑ Extremely Vulnerable
❑ <10 MB Code	❑ >1,000 MB Code
❑ Stable Platform	❑ Constantly Changing

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Hardware Comparison

Security Appliance	Personal Computer
❑ Low Power (20W) ❑ LV UPS	❑ 200-1500W ❑ Mains UPS
❑ 100% Solid State	❑ Fans & Disks
❑ >100,000 hr MTBF	❑ <10,000 hr MTBF
❑ Hardened I/O	❑ External Adapters

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Attack Vulnerability

Security Appliance	Personal Computer
❑ Mission-Specific Protocols	❑ “Unused” GP Protocols
❑ Cannot Host Programs	❑ Raison d’être…Scripts, Macros, Programs, etc.
❑ Application-Level Encryption	❑ External VPN

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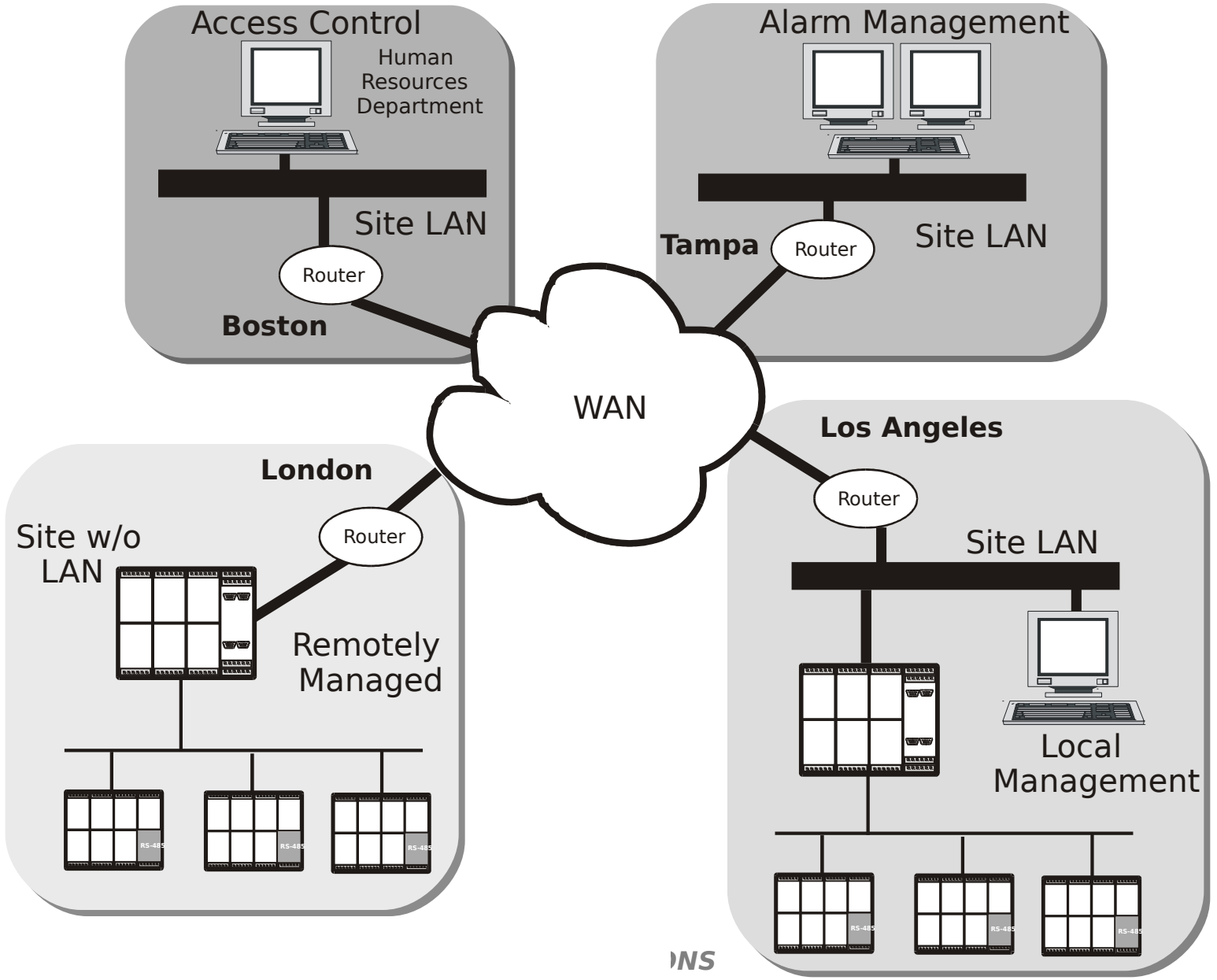
Enterprise Deployment



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Systems Summary

- Core Processing via Appliances
- PC's for User Interface + Clerical Work
- Questions?

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